Bomanite Flexible Membrane Comp. A

Material Safety Data Sheet

Product Name: Bomanite Flexible Membrane Comp. A
Synonymous: N/A
Chemical Family: Modified Epoxy Resin
Chemical Formula: Proprietary
D.O.T. Hazard Class: Resin solution, Non-Hazardous
Appearance & Odor: Pigmented viscous liquid, mild odor.

I. IDENTIFICATION

II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>Composition</th>
<th>%</th>
<th>OSHA TWA</th>
<th>ACGIH TLV</th>
<th>CAS NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A Based Epoxy Resin</td>
<td>60-100</td>
<td>Not established</td>
<td>Not established</td>
<td>25068-38-6</td>
</tr>
<tr>
<td>Alkyl Glycidyl Ether</td>
<td>5-10</td>
<td>Not established</td>
<td>Not established</td>
<td>68081-84-5</td>
</tr>
<tr>
<td>Alkyl Phenol Blocked</td>
<td>15-40</td>
<td>10 mg/m³*</td>
<td>10 mg/m³*</td>
<td>Trade Secret</td>
</tr>
<tr>
<td>Polysicyonate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>3-7</td>
<td>10 mg/m³*</td>
<td>10 mg/m³*</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1-5</td>
<td>10 mg/m³*</td>
<td>10 mg/m³*</td>
<td>1309-37-1</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>&lt;0.1</td>
<td>3.5 mg/m³*</td>
<td>3.5 mg/m³*</td>
<td>1333-86-4</td>
</tr>
</tbody>
</table>

* Values meaningful only when hardened product is abraded, ground, etc.

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1): 1.12
Boiling Point: >572 °F (300 °C)
Melting Point: N/A
Vapor Pressure: <0.1
Vapor Density: N/A
Evaporation Rate: < 0.5 (Butyl Acetate =1)
Solubility In Water: Nil

IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point: > 262 °F (128 °C)
Flammable Limits: N/A
Firefighting Media: Ignition may give cause to a class B fire. In case of fire use water fog, carbon dioxide, dry chemical, alcohol foam.

Firefighting Procedure: N/A

Special Firefighting Procedure: None likely with small quantities. For large quantities, firefighters should wear butyl rubber boots, gloves and bodysuit and a self-contained breathing apparatus. Water spray is useful in cooling fire-exposed vessels and in dispersing vapors.

Unusual Fire Hazards: May generate toxic and irritating combustion products, carbon monoxide gas and nitrogen oxide gases. Sudden reaction and fire may result if product is mixed with and oxidizing agent.

Reactivity: Stable

Incompatibilities: Strong oxidizing agents (perchlorates, nitrates), strong acids, hypochlorites, peroxides.

Decomposition or Byproducts: Carbon monoxide, carbon dioxide, aldehydes, acids.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Elevated temperatures.

V. HEALTH HAZARD DATA

Inhalation: Inhalation of mists may cause respiratory tract irritation. Coughing and chest pain may result.

Skin Contact: Transient irritation, redness and discomfort.

Eye Contact: May cause mild irritation.

Ingestion: Low order of toxicity.

Carcinogenicity: This product does not contain 0.1% or more of any substance which is listed as a carcinogen by NTP, IARC or OSHA.

Overexposure Effects: Lacerimation of eyes, skin irritation, dizziness, sensitization and dermatitis.

Aggravated Medical Conditions: Skin disorders and allergies.

Emergency and First Aid Procedures

Inhalation: Move to fresh air. Give assisted respiration if breathing has stopped or is labored (call a physician).

Skin Contact: Remove product and flush area with plenty of water for 15 minutes. If irritation persists, get medical attention.
Eye Contact: Immediately flush eyes with water for 15 minutes. Call a physician.

Ingestion: Give 3-4 glasses of milk or water. Do not induce vomiting. Obtain medical attention.

VI. **SPILL PROCEDURES & WASTE DISPOSAL**

Spill: Cover spills with absorbent material. Place in metal containers for recovery or disposal. Prevent entry into sewers, storm drains, and waterways.

Waste Disposal: Incineration is preferred. Dispose in accordance with Federal, State and Local regulations.

Precautions for Safe Handling And Storage: Keep away from oxidizers, heat or flame. Keep containers tightly closed in a cool, well-ventilated place.

Other Precautions: Avoid contact with eyes, skin or clothing. Avoid breathing vapors, mist or spray. Wash after handling.

VII. **PROTECTIVE CONTROL MEASURES**

Respirator: None required in adequately ventilated areas. NIOSH/MSHA approved respirator when exposure to airborne contaminants may exceed acceptable limits.

Ventilation: No specific controls needed. General mechanical ventilation and local exhaust recommended.

Special: N/A

Protective Gloves: Nitrile rubber.

Eye Protection: Wear splash proof chemical goggles or chemical safety glasses.

Other Protective Clothing Required: Long sleeved shirts and trousers. Emergency showers and eye wash stations should be readily accessible.

**Work/Hygiene Practices**

Wash hands after use and before eating, drinking or smoking.